

FIG. 1

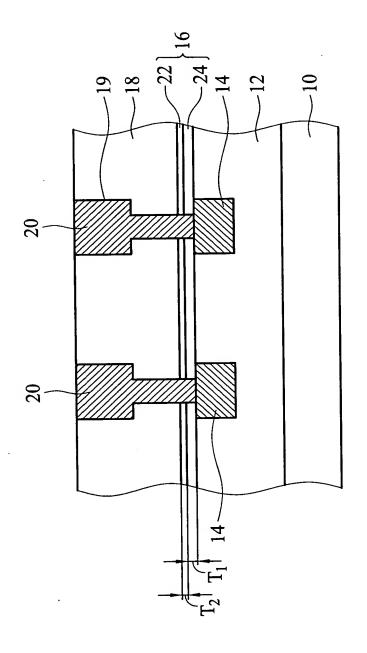
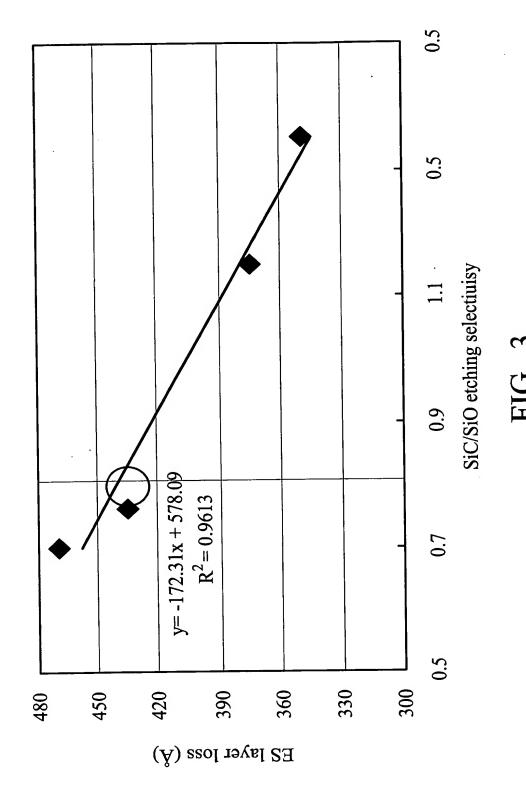


FIG. 2



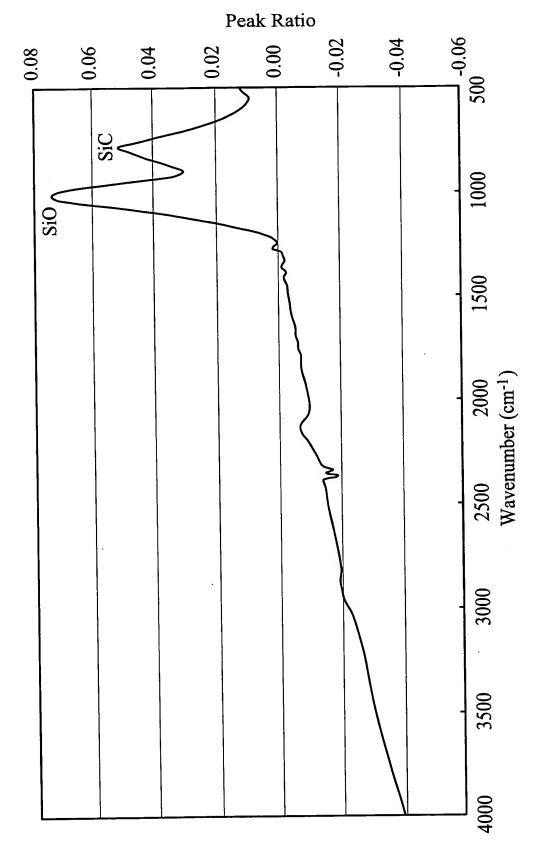


FIG. 4

	Film Properties	Example I	Example II	Example III	Example IV
Low-k IMD layer	K <sub>IMD</sub> value	3.0	2.5	2.5	2.2
	tensile Stress (dynes/cm <sup>2</sup> ) $5.0 \times 10^8$	$5.0 \times 10^{8}$	$4.0 \times 10^{8}$	$4.0 \times 10^{8}$	$1.7 \times 10^8$
	Hardness (Gpa)	2.2	0.84	0.84	0.13
	Modulus (Gpa)	15	8.4	8.4	3.7
ES layer	K <sub>ES</sub> value	4.5	4.5	3.0	4.5
	compressive Stress (dynes/cm <sup>2</sup> ) $2.2 \times 10^9$	$2.2 \times 10^9$	$2.2 \times 10^9$	$5.6 \times 10^{9}$	$2.2 \times 10^9$
Relative RC delay		1.3	1.11	1.05	1.0

## ATTACHMENT